

Name: _____

Remediation – Exponent Rules – Multiplying Same Bases

After you have watched the video from the wiki, you should try the following problems and then use the key to check your work. There is not a great way to check these problems with your calculator.

Directions: Please simplify the following.

1. $3x^2 \cdot 6x^3 \cdot x^5$

2. $-3b(6b^6)(b^{11})$

3. $-7(2g)(4g^5)$

4. $-4x^2y \cdot (3x^3y^5)$

5. $-9x^7b^3(6bx^{-3})(xb)$

6. $\left(\frac{1}{2}a^3b^5\right)\left(\frac{2}{3}ab\right)$

7. $-x^5(2.3x^{-1})(4.2y)$

8. $\left(\frac{2}{5}w^3\right)(4.5wy^5)(-y)$